



AMREF INTERNATIONAL TRAINING CENTER

Qualification Code :
Qualification : Level 5
Unit Code :
Unit Of Competency : Demonstrate Environmental Literacy

WRITTEN ASSESSMENT

INSTRUCTIONS TO CANDIDATE

1. You have **THREE** hours to answer all the questions.
2. This paper has two sections A and B.
3. You are provided with a separate answer booklet.
4. Marks for each question are indicated in the brackets.
5. Do not write on the question paper.

*This paper consists of THREE (3) printed pages
Candidates should check the question paper to ascertain that all the pages are printed as
indicated and that no questions are missing.*

SECTION A: (40 MARKS)

Answer All the Questions in This Section

1. Highlight **FOUR** storage methods for environmentally hazardous materials (4Marks)
2. Outline **TWO** appropriate Personal Protective Equipment's in the following incidents
 - a) Welding (2 Marks)
 - b) Working in drainage systems (2 Marks)
3. Highlight **FOUR** main types of pollution (4Marks)
4. Resource efficiency systems are procedures that ensure the **limited** resources are used sustainably while minimizing impact on the environment. Highlight **FOUR** steps followed when developing an environmental resource efficiency system. (4 marks)
5. State **FOUR** main functions of National Environmental Management Authority (NEMA) (4 marks)
6. Global warming is the significant increase in Earth's average surface temperature due to rising levels of greenhouse gases. Outline **FOUR** effects of global warming (4 marks)
7. An environmental strategy is a plan or set of actions designed to address and manage environmental issues effectively. Name **FOUR** features of an environmental strategy. (4 marks)
8. Environmental concerns are harmful effects on the biosphere brought about by anthropogenic activities (human influence) or natural internal processes. Identify **FOUR** environmental concerns. (4 marks)
9. Multilateral environmental agreements are agreements between states that guide global, regional and national action on environmental, legal and governance regimes. Outline **FOUR** major environmental conferences and protocols. (4 marks)
10. Drinking water sources are subject to contamination and require appropriate treatment. Highlight **FOUR** stages of water treatment (4 marks)

SECTION B (60 MARKS)

Answer any THREE questions in this section.

11. Resource depletion is the extraction of natural resources at a rate that exceeds their replenishment.
- a) Discuss FIVE major causes of resource depletion in Kenya focusing on both natural and anthropogenic factors. (10 marks)
 - b) A resource is a source of supply mostly comprised of a part of earth that is valued by humans and from which a benefit is derived. Citing examples explain FIVE types of resources. (10marks)
12. The 5s of good housekeeping is a management technique that is aimed at optimizing and improving the efficiency of work performance.
- a) Explain FIVE “S” of good housekeeping. (10 marks)
 - b) Describe FIVE benefits of stakeholder consultation in environmental management strategy implementation. (10 marks)
13. The circular economy is an economic model aimed at minimizing waste and making the most of available resources by creating closed-loop systems.
- a) Discuss FIVE advantages of adopting a circular economy. (10 marks)
 - b) Explain THREE types of plastic recycling. (6 marks)
 - c) Differentiate renewable and non-renewable resources and give an example of each. (4 marks)
14. Energy efficiency in the workplace involves implementing practices and technologies that reduce energy consumption while maintaining productivity and comfort.
- a) Describe FIVE ways of achieving energy efficiency at the workplace. (10 marks)
 - b) Explain THREE benefits of waste minimization. (6 marks)
 - c) Discuss TWO waste minimization techniques. (4 marks)